

Figure 1a

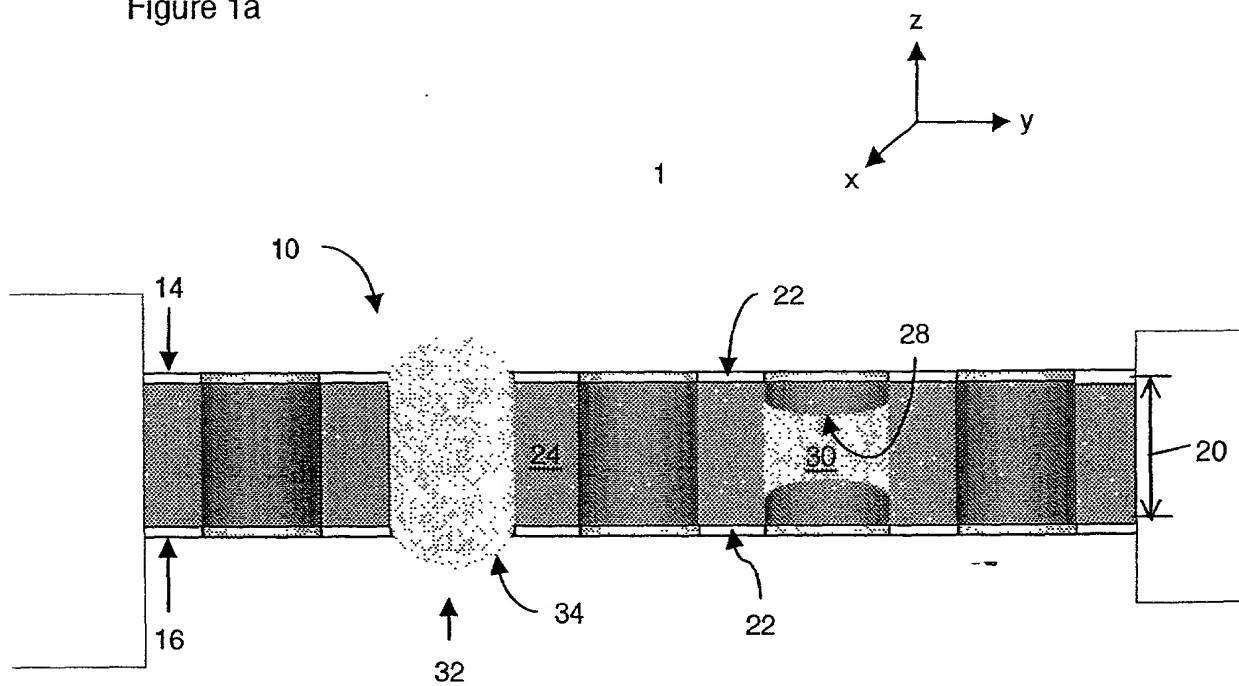


Figure 1b

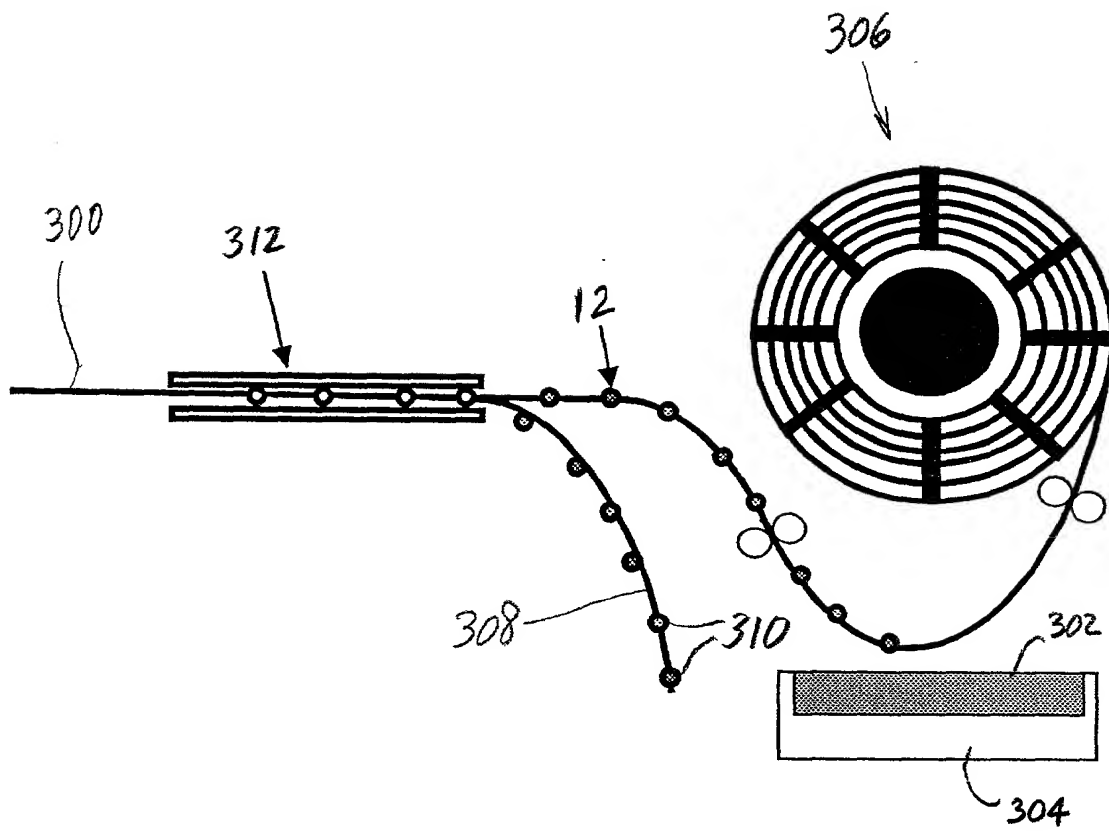
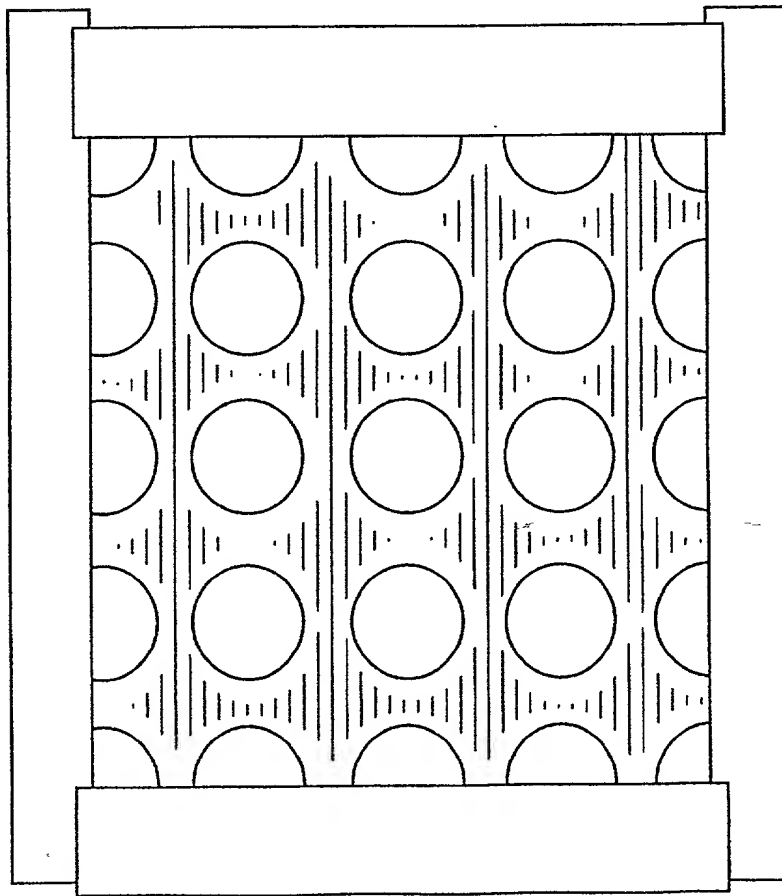
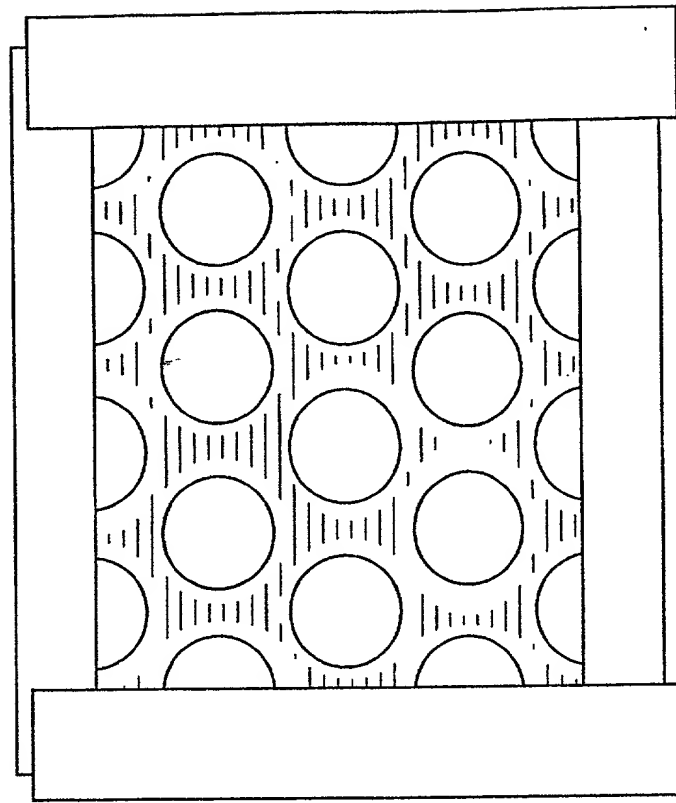


Fig. 1c



RECTANGULAR PACKING

FIG. 2a



CLOSE PACKING

FIG. 2b

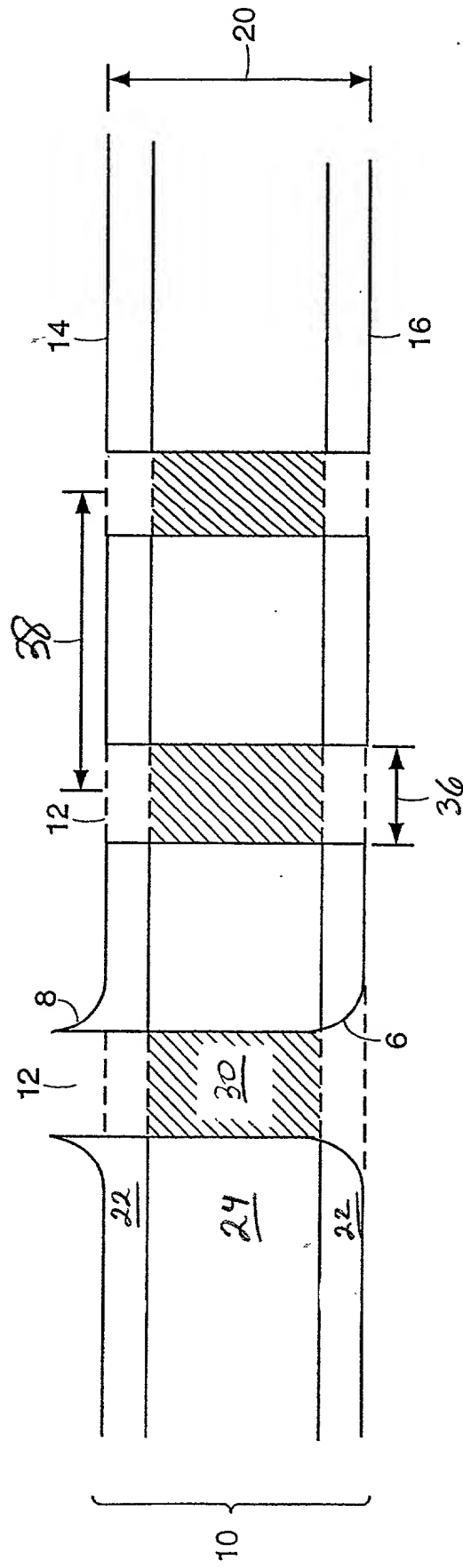


FIG. 3

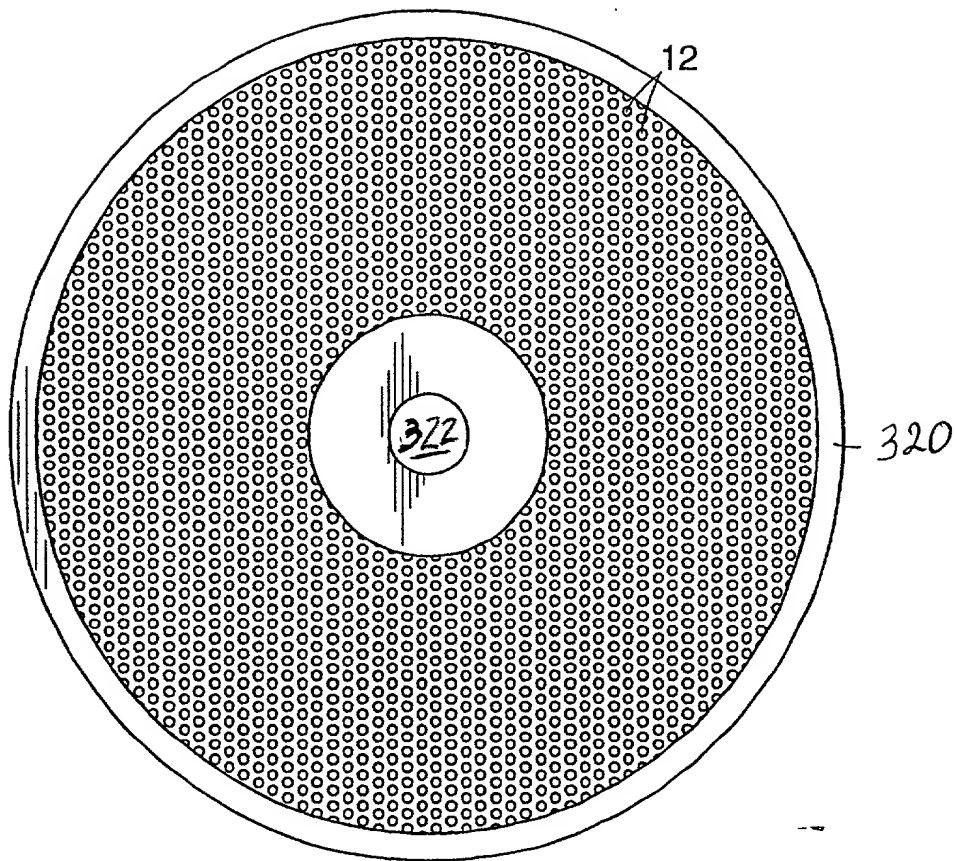


FIG. 4

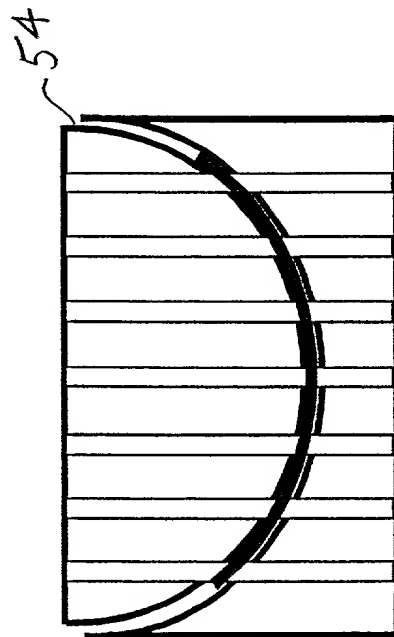
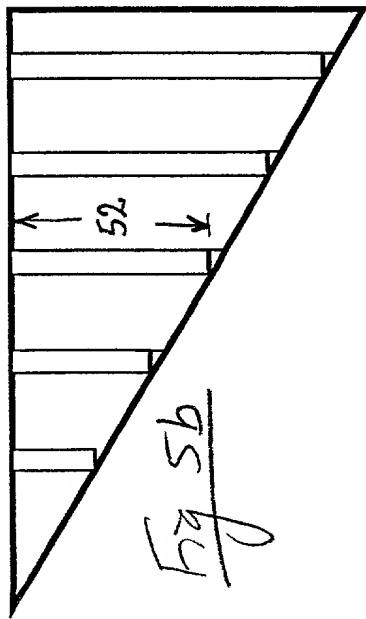


Fig. 5d

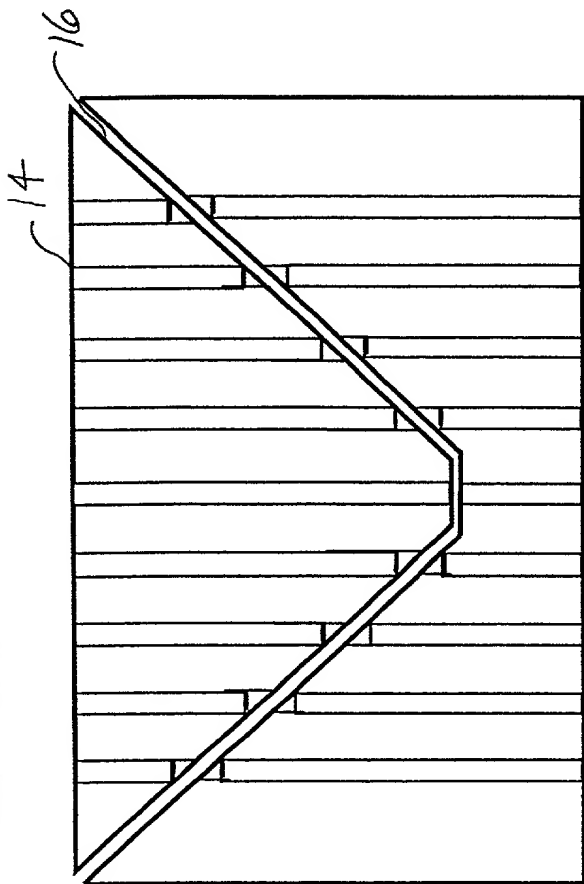


Fig. 5c

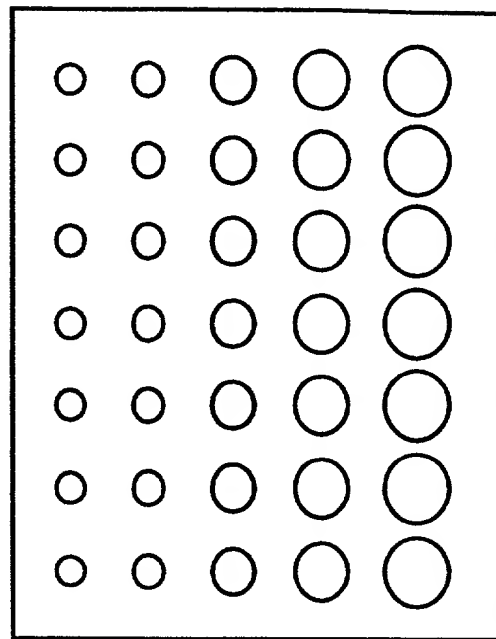


Fig. 5a

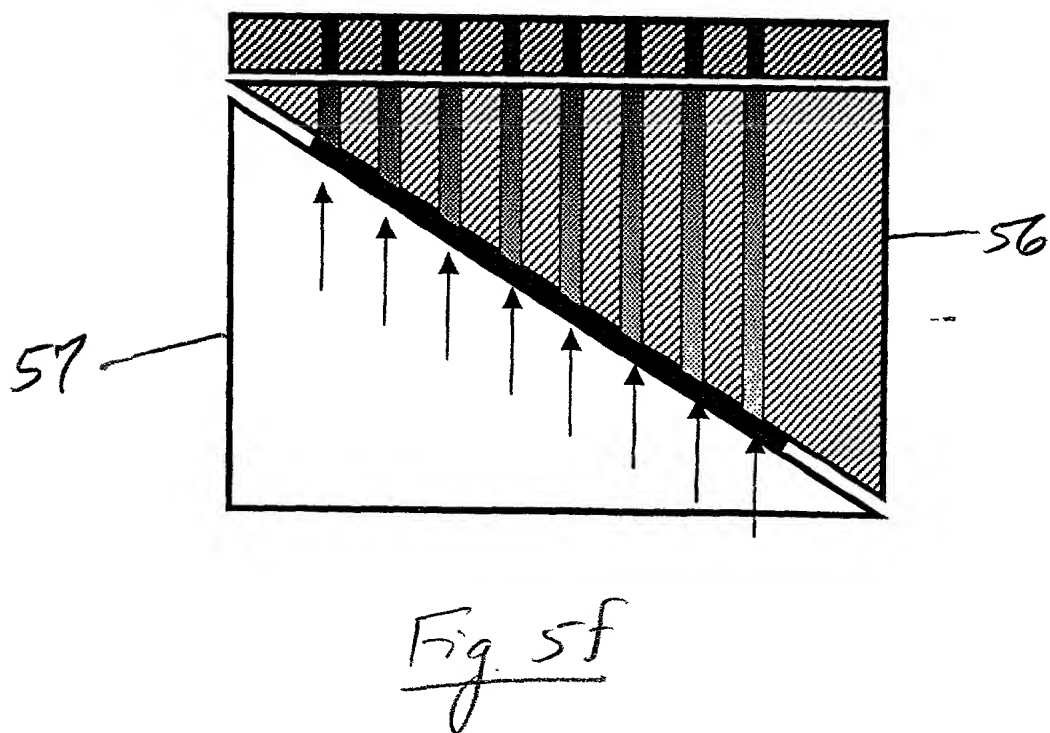
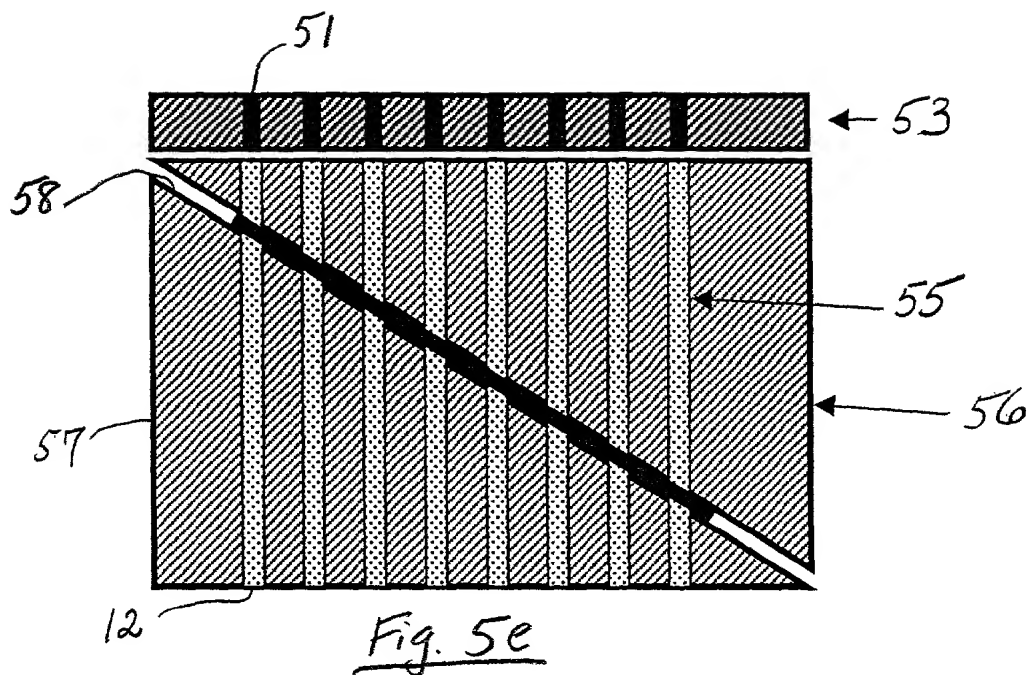


FIG. 6 is a perspective view of the chain of FIG. 5, showing the chain links and the chain pins. The chain links are shown in cross-section, and the chain pins are shown in perspective. The chain links are labeled 60, 62, 64, 66, 68, and 70. The chain pins are labeled 60, 62, 64, 66, 68, and 70.

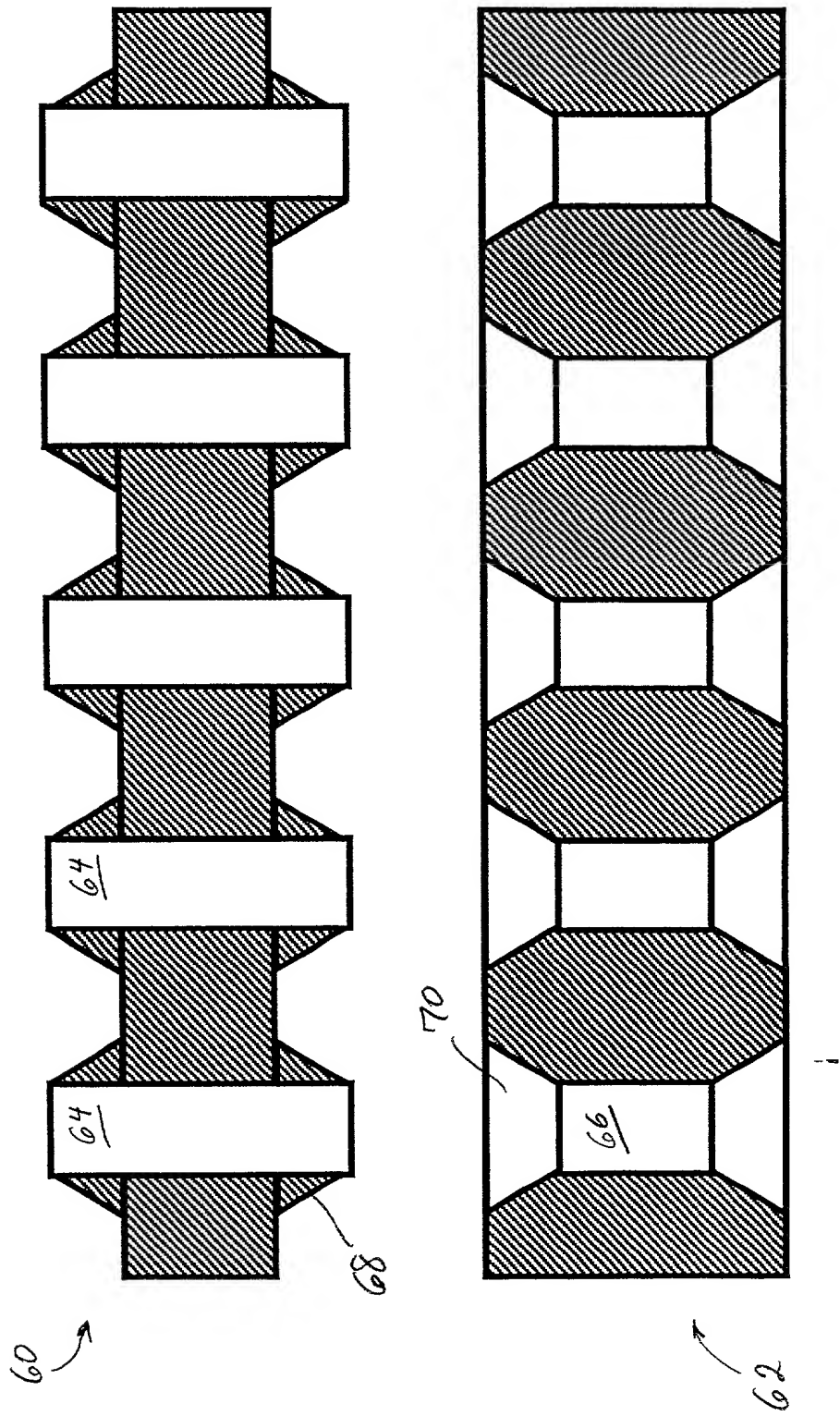


Figure 6

FIG. 7 is a perspective view of a multi-layered structure 10, showing a top layer 12 and a bottom layer 14. The top layer 12 is a thin, flexible layer with a grid-like pattern. The bottom layer 14 is a thicker, rigid layer with a series of vertical ridges or fins. The structure 10 is shown in a perspective view, with the top layer 12 and bottom layer 14 clearly visible. The label 10 points to the entire structure, 12 points to the top layer, and 14 points to the bottom layer.

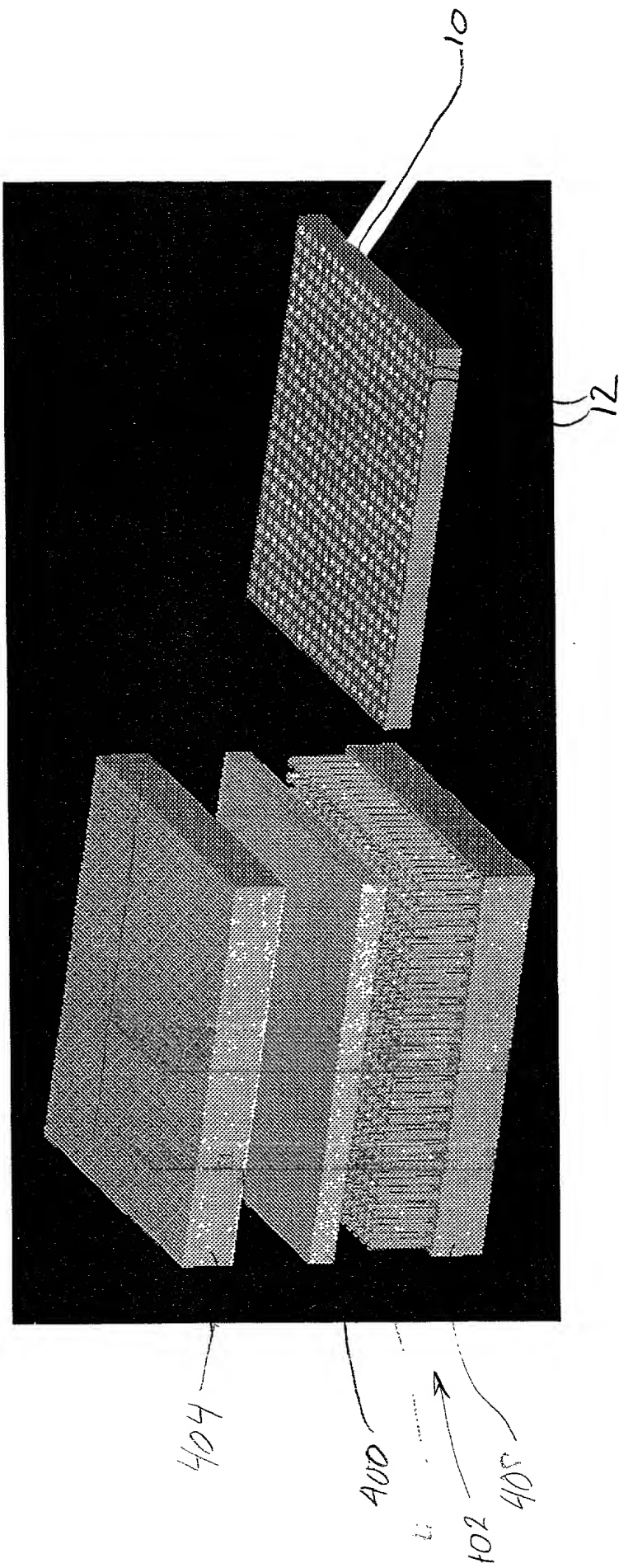


Fig. 7

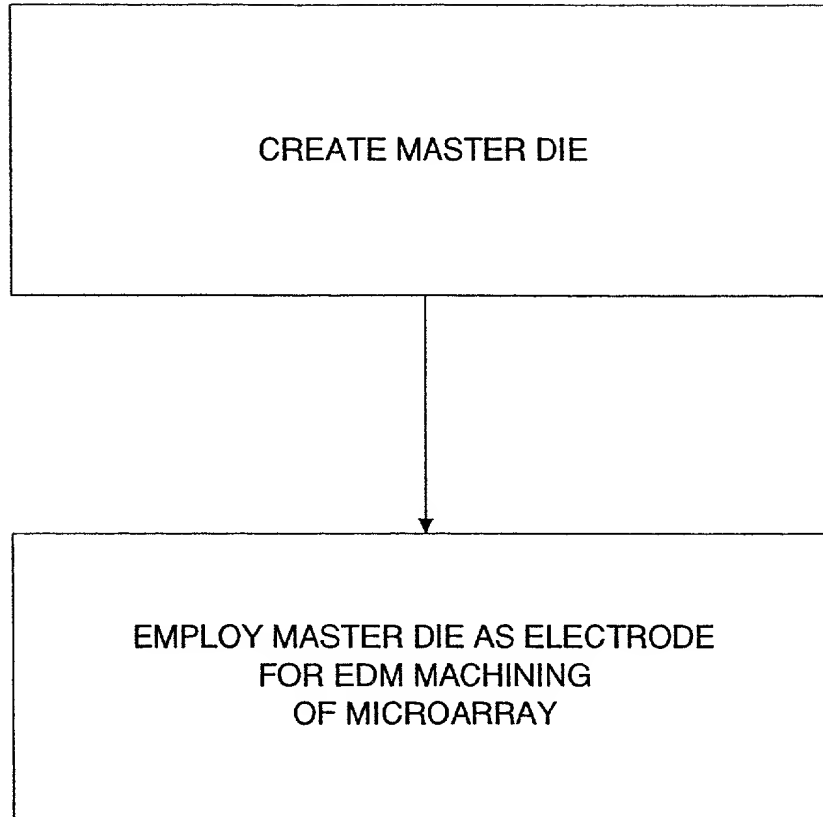


Fig. 8

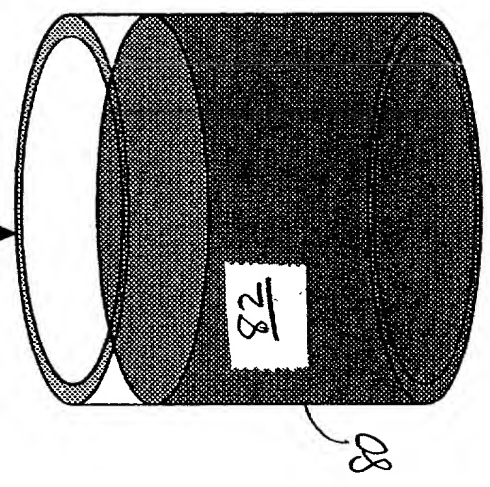
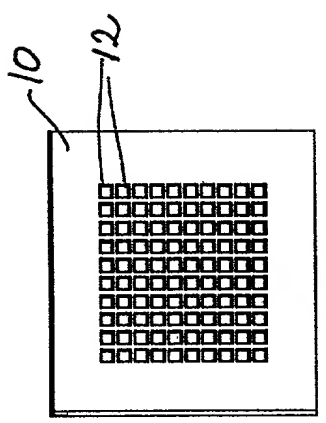


Fig. 9a

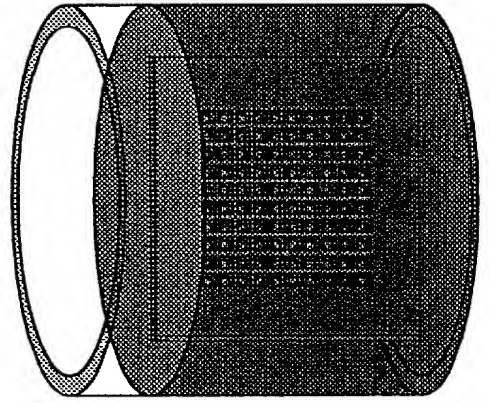


Fig. 9b

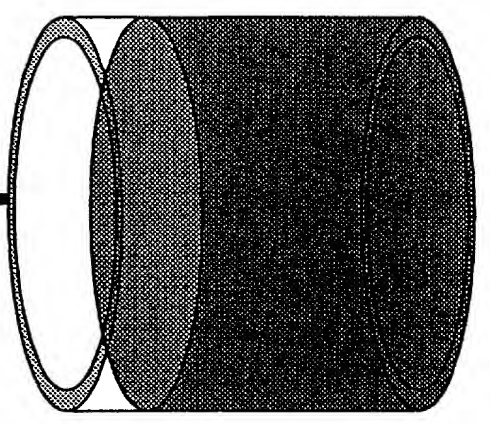
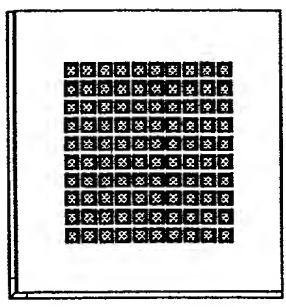


Fig. 9c

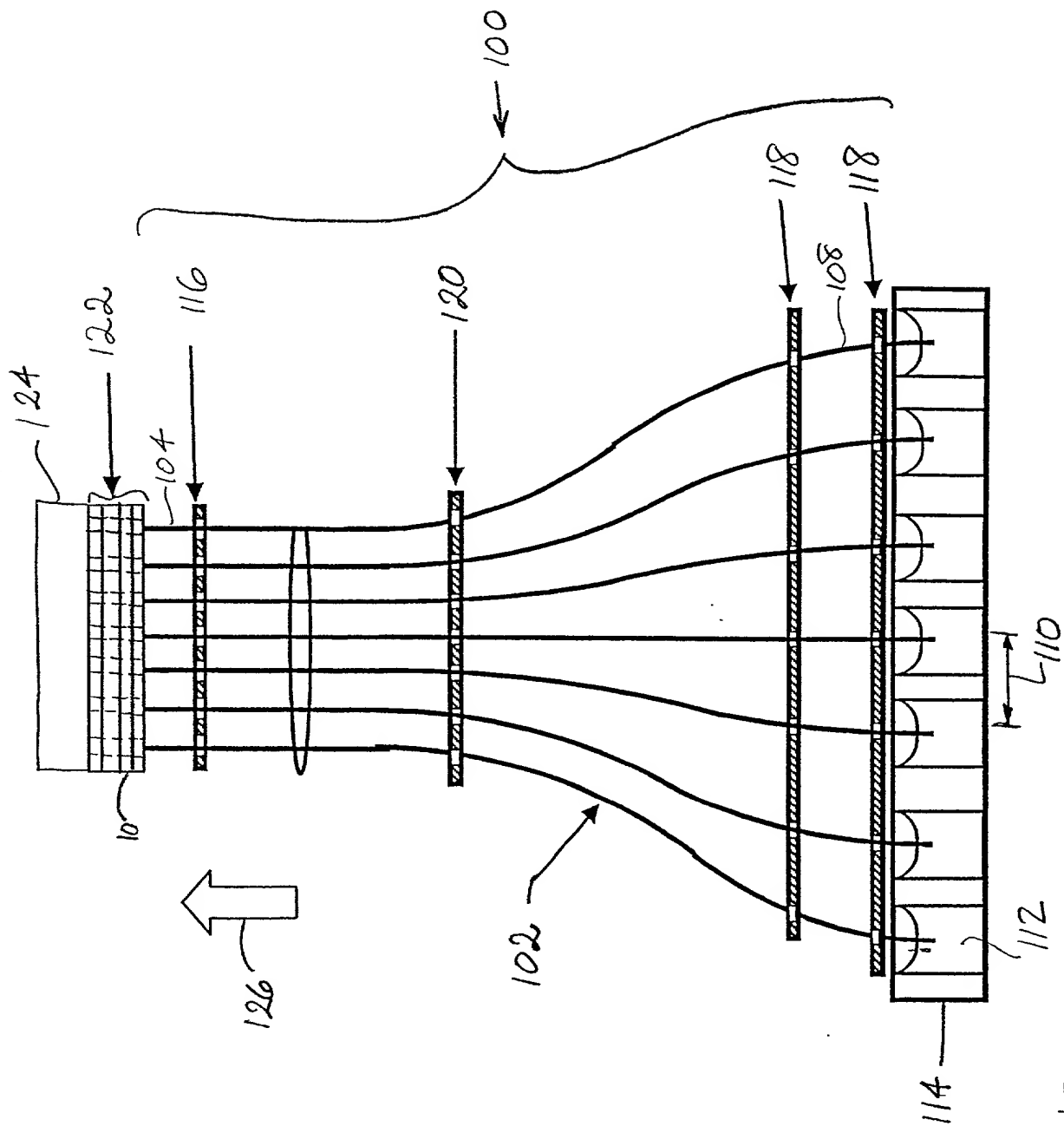


Figure 10

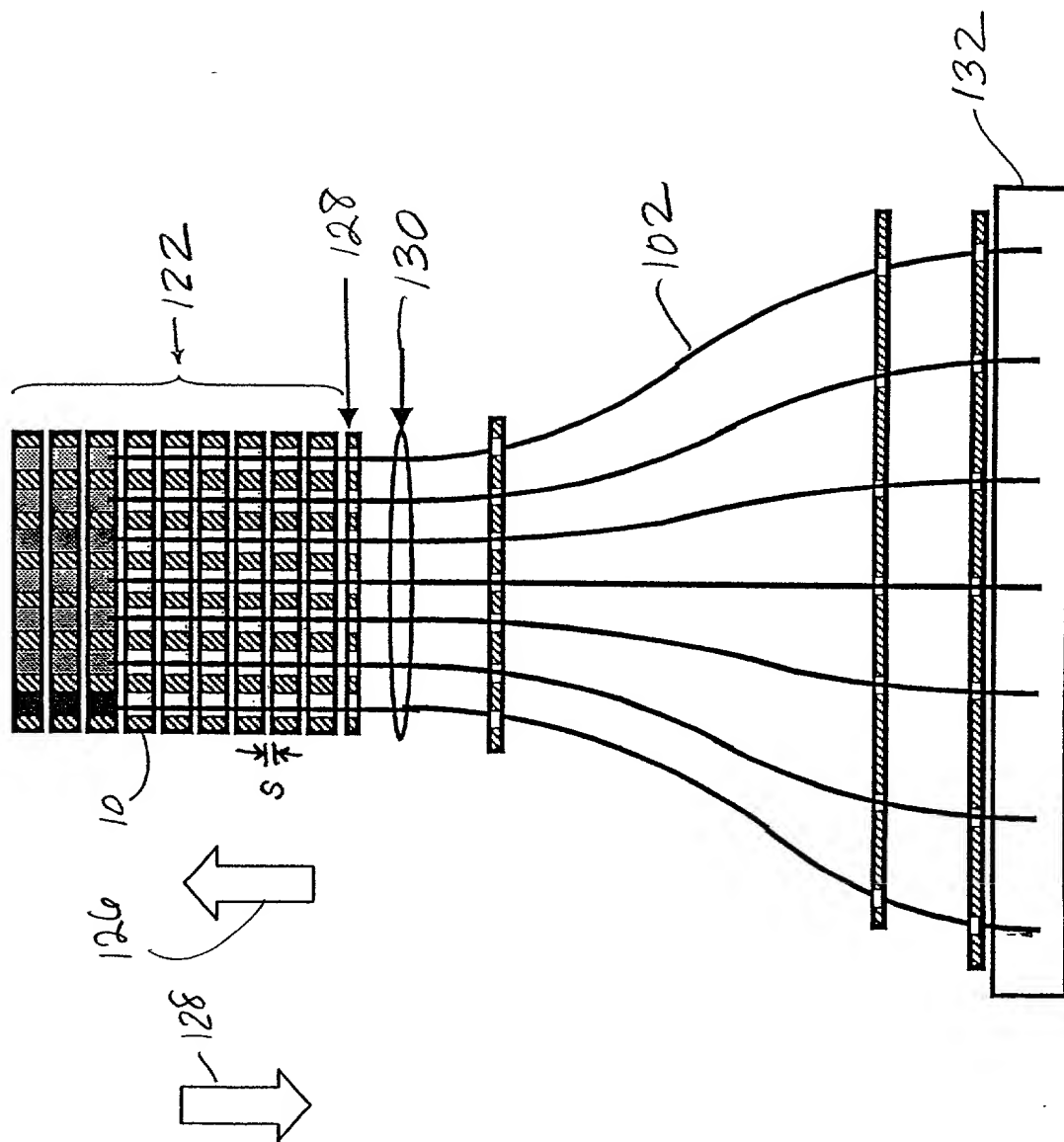


Figure //

FIG. 12a is a perspective view of a multi-layered printed circuit board assembly 10. The assembly 10 includes a plurality of layers 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000.

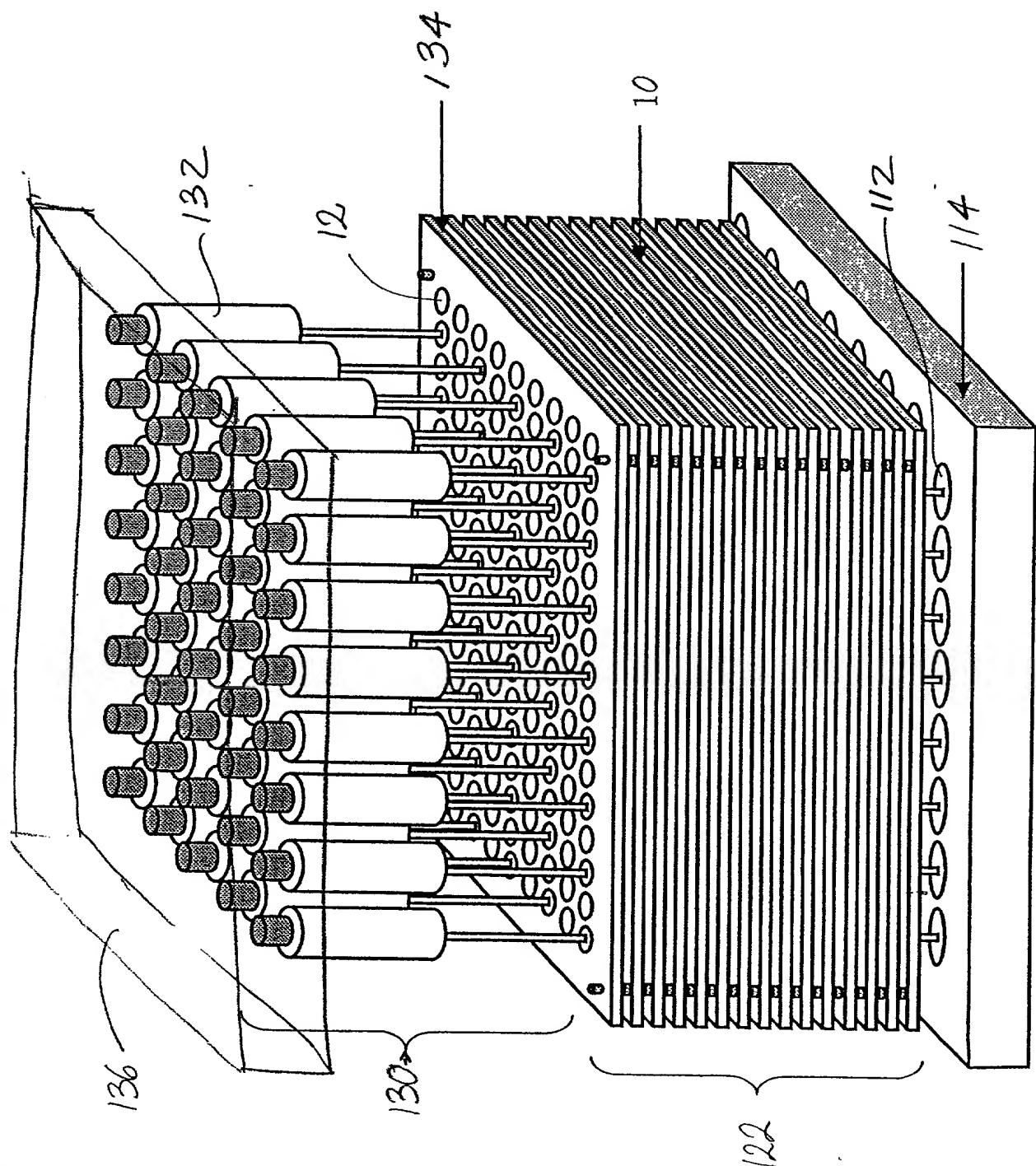
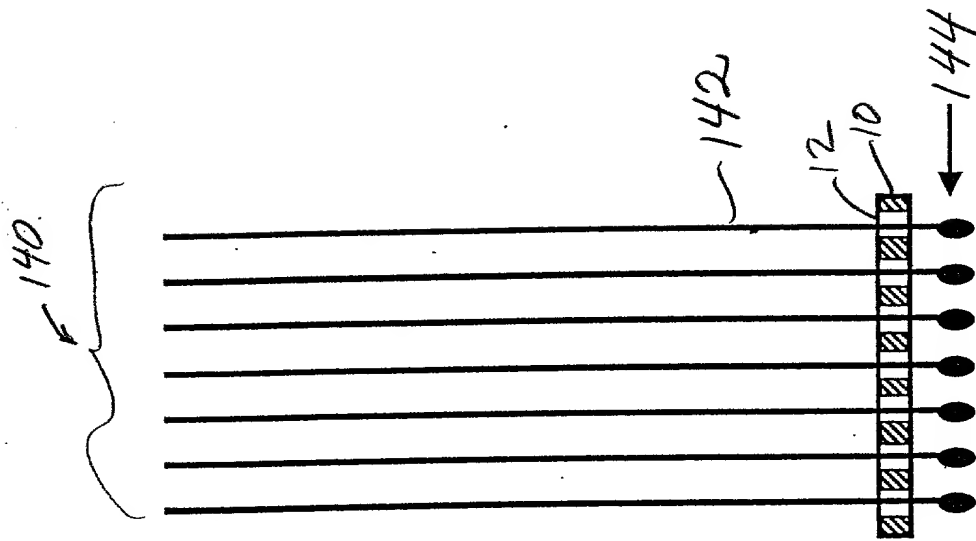
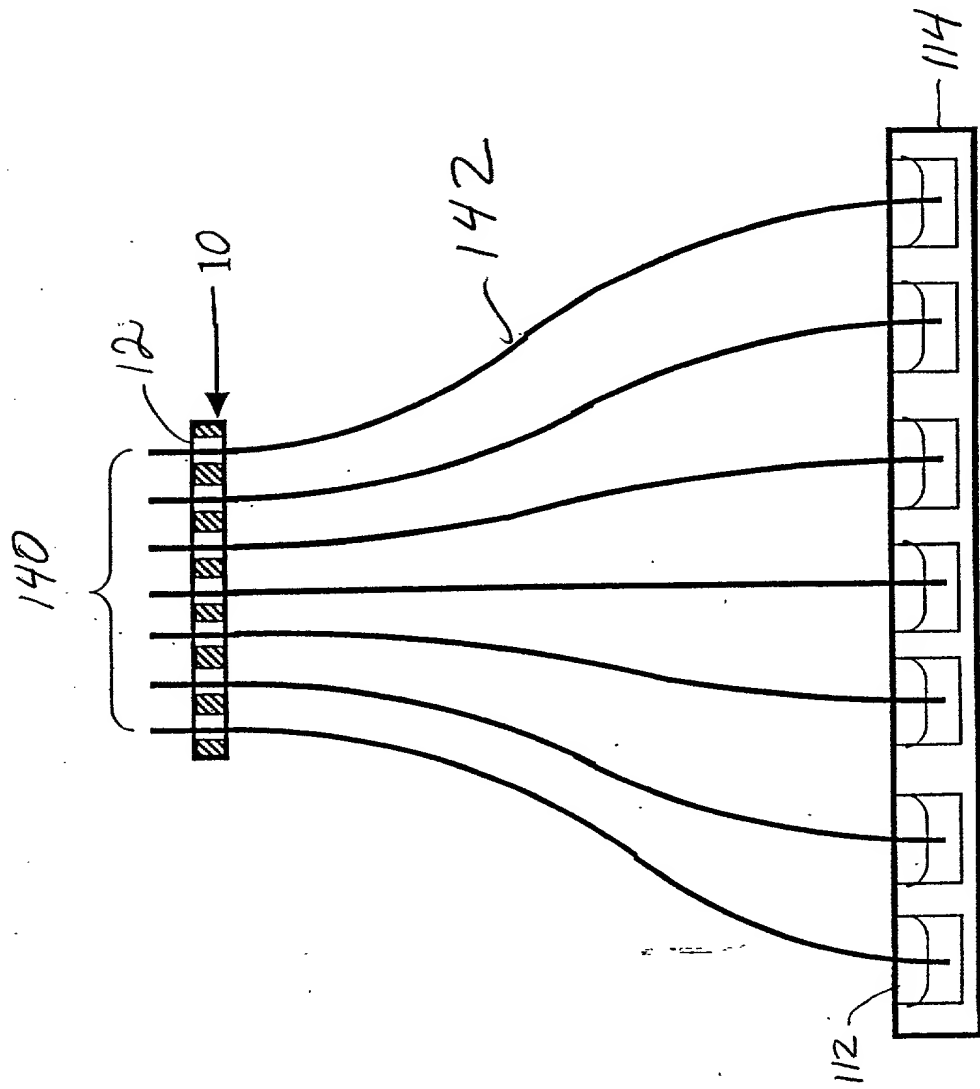


Figure 12a



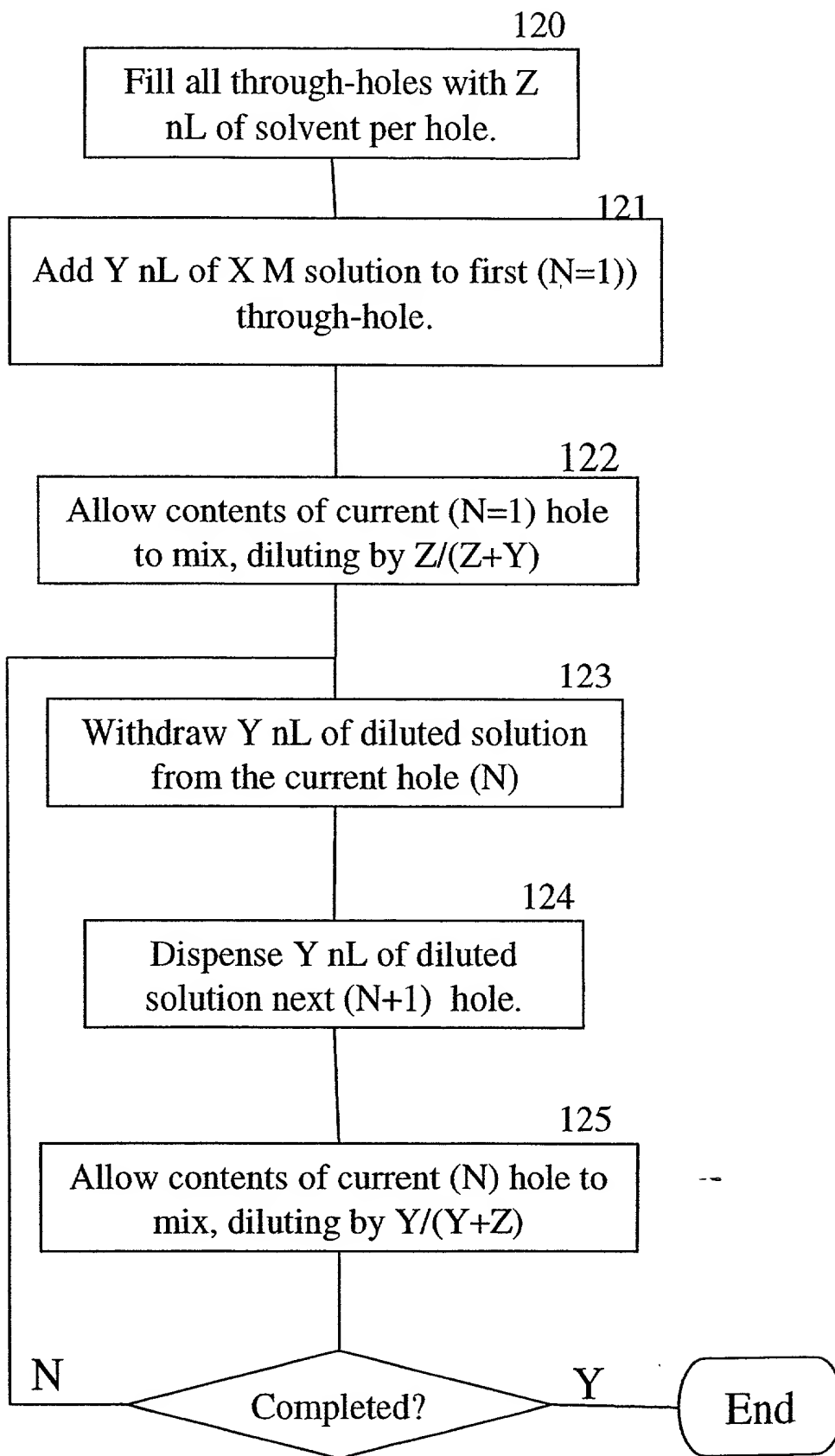


Fig. 13

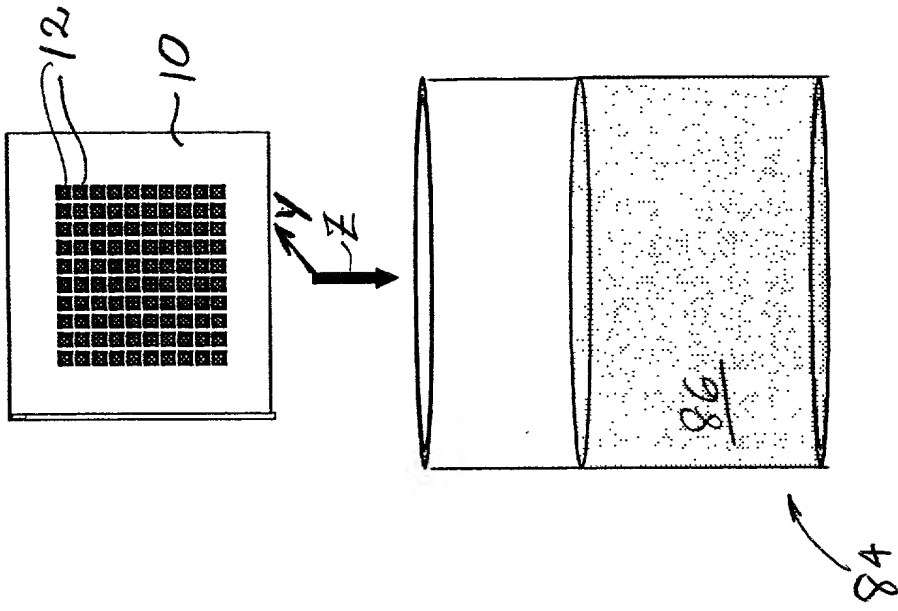


Fig. 14a

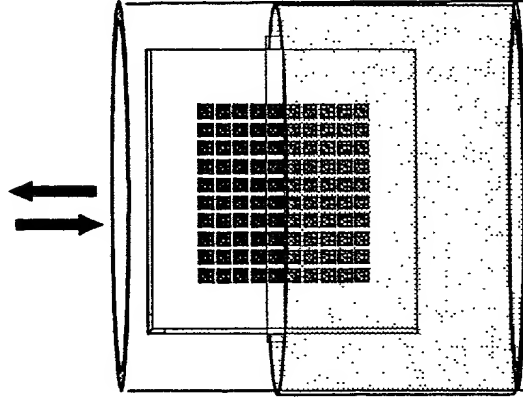


Fig. 14b

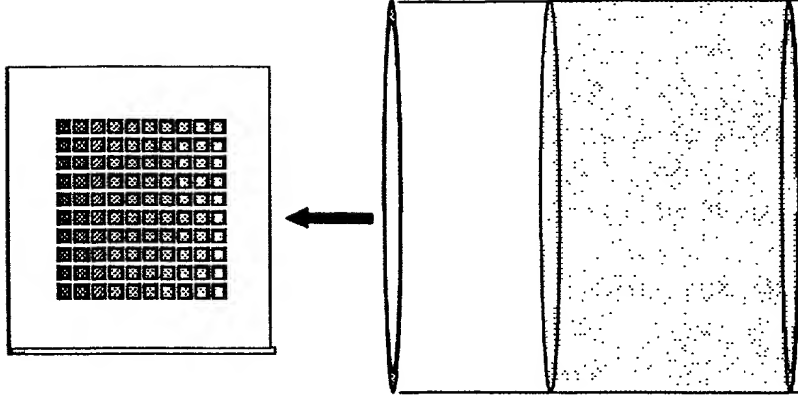


Fig. 14c

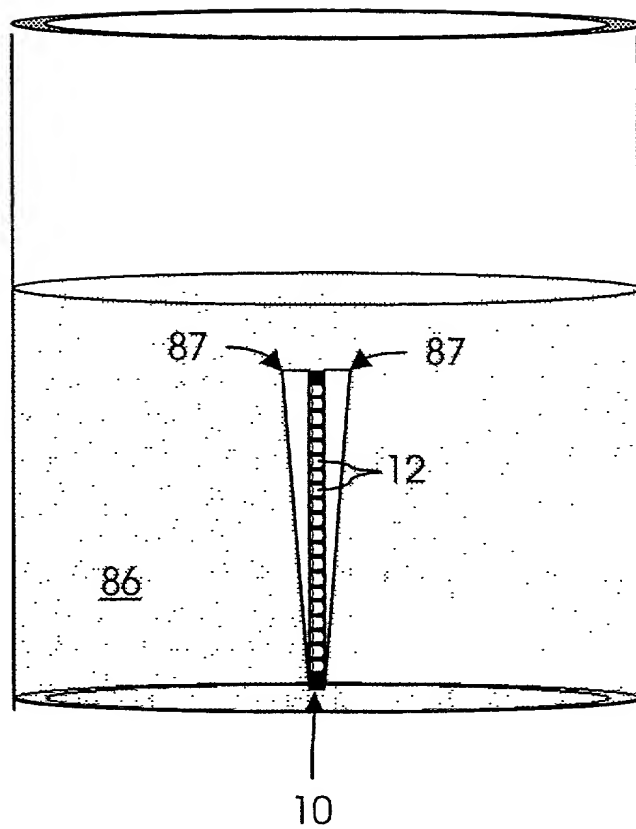


Fig. 14d



FIG. 16 is a cross-sectional view of a device 100, showing a central core 120, a first layer 12, a second layer 150, and a third layer 90. The device 100 is shown in a cross-sectional view, with the central core 120 being a solid, unshaded rectangular block. The first layer 12 is a thin, hatched layer that surrounds the central core 120. The second layer 150 is a thicker, hatched layer that surrounds the first layer 12. The third layer 90 is a thin, unshaded layer that surrounds the second layer 150. The device 100 is shown in a cross-sectional view, with the central core 120 being a solid, unshaded rectangular block. The first layer 12 is a thin, hatched layer that surrounds the central core 120. The second layer 150 is a thicker, hatched layer that surrounds the first layer 12. The third layer 90 is a thin, unshaded layer that surrounds the second layer 150.

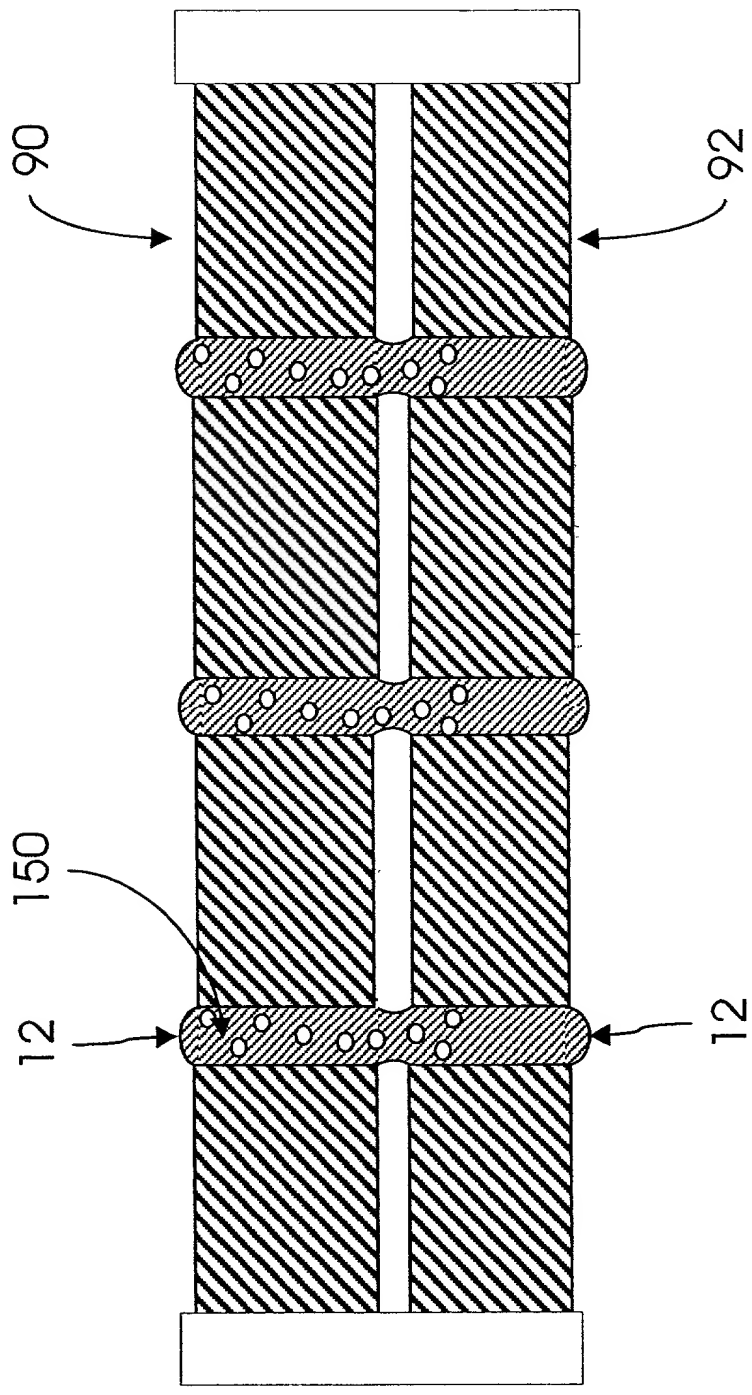


Fig. 16



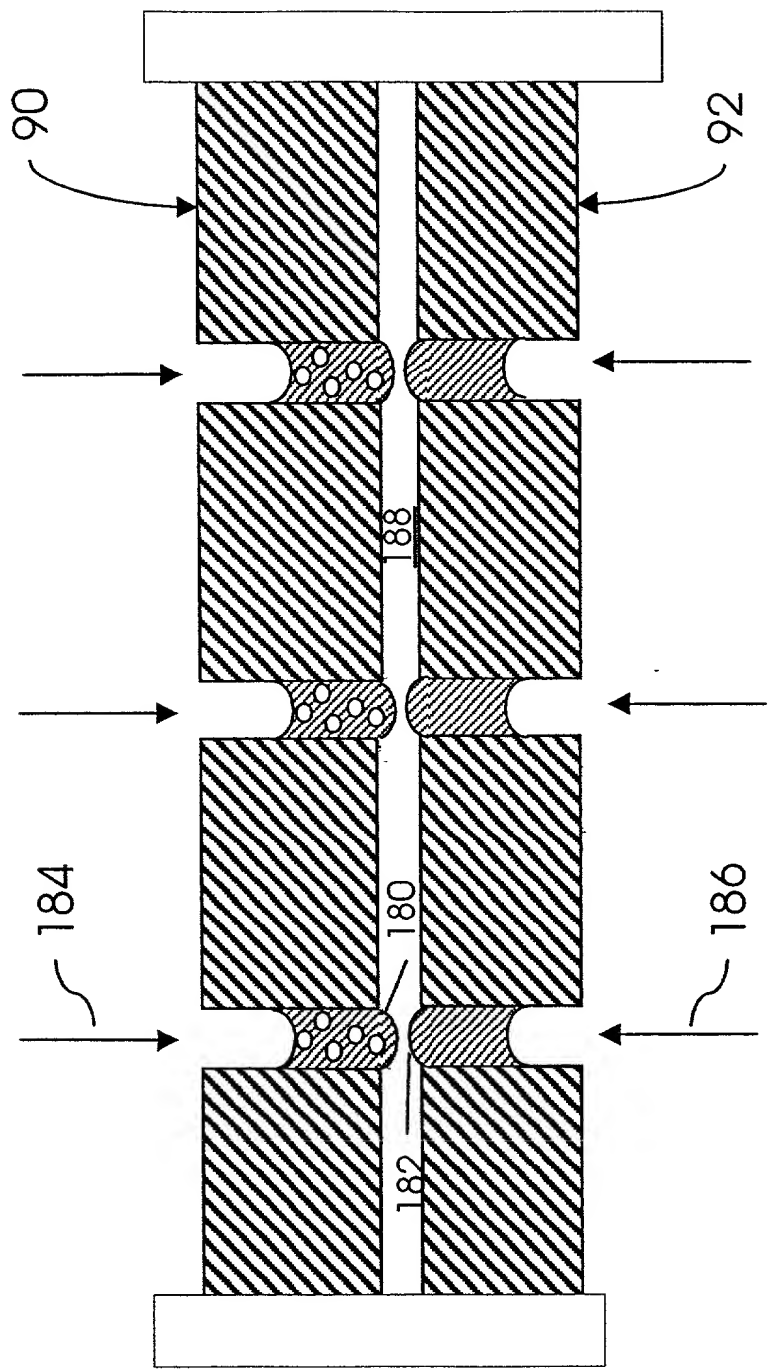


Fig. 18

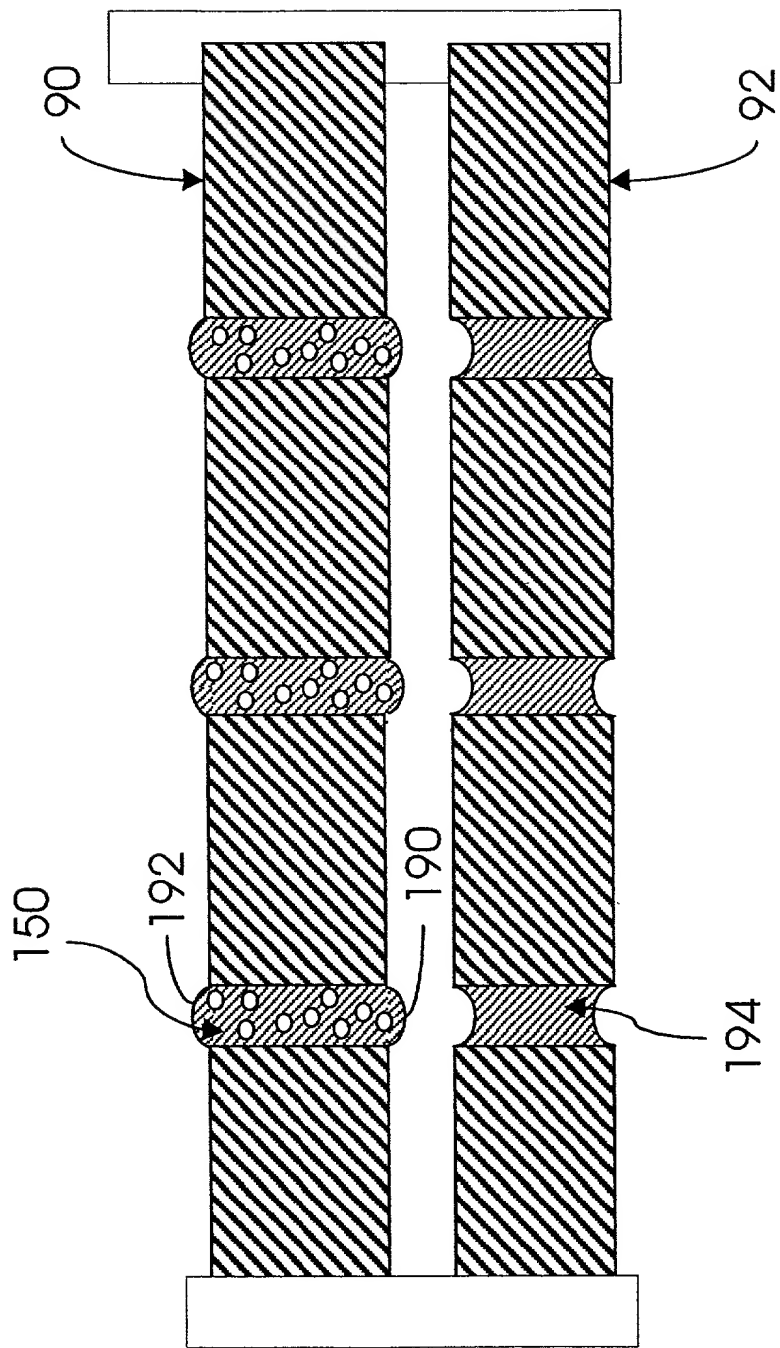


Fig. 19

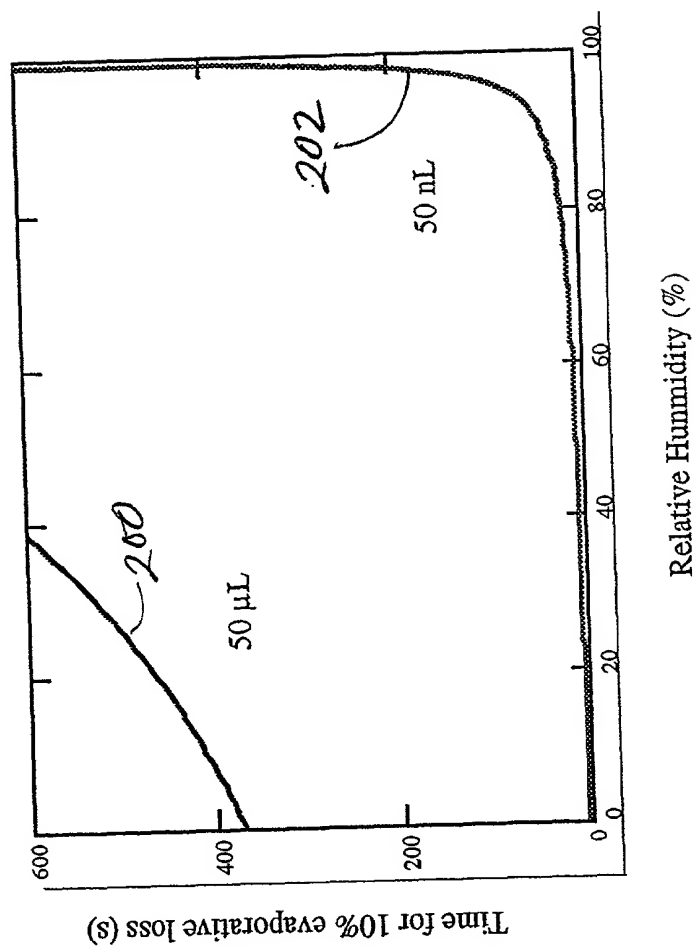


Fig 20

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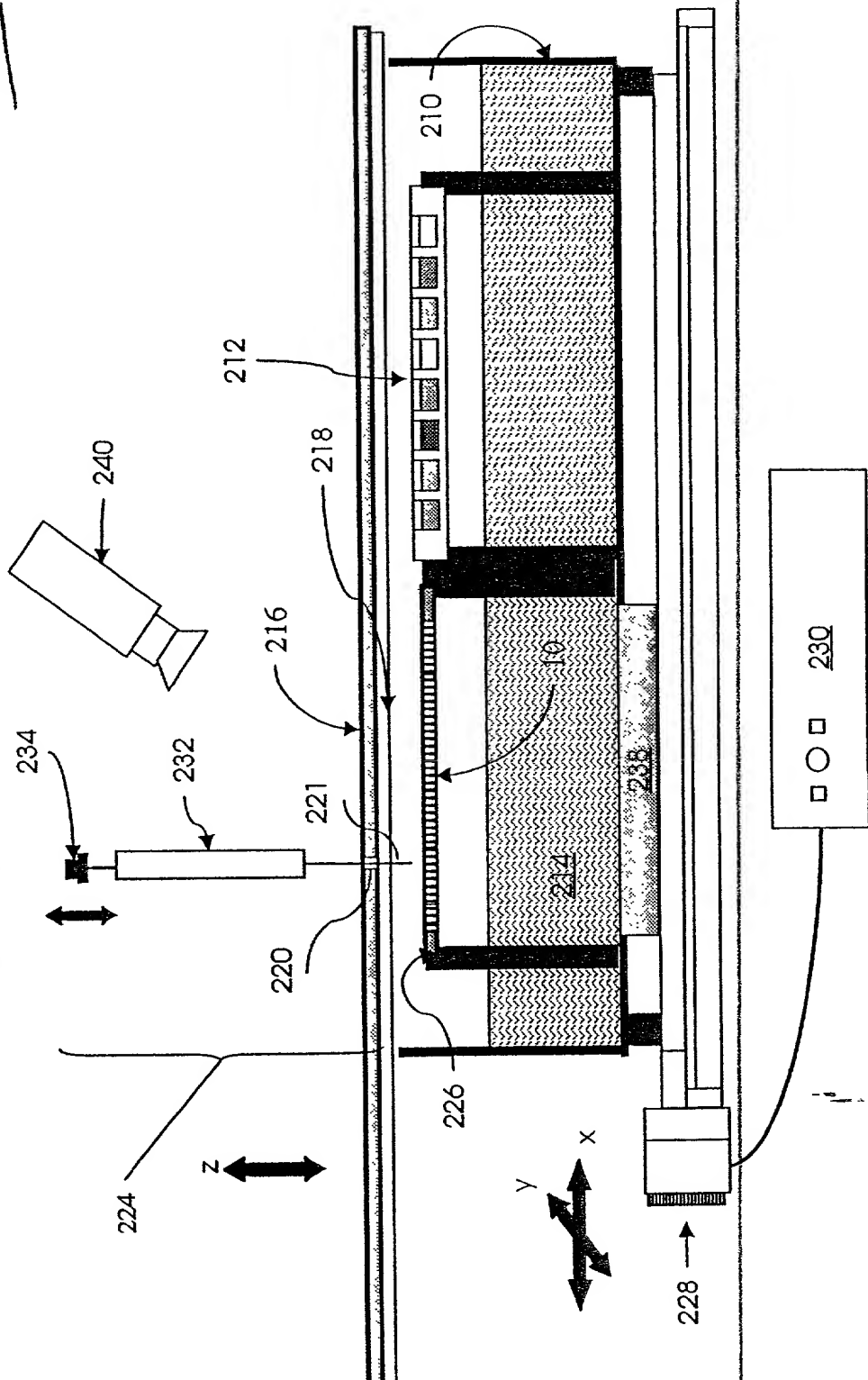


Fig. 21

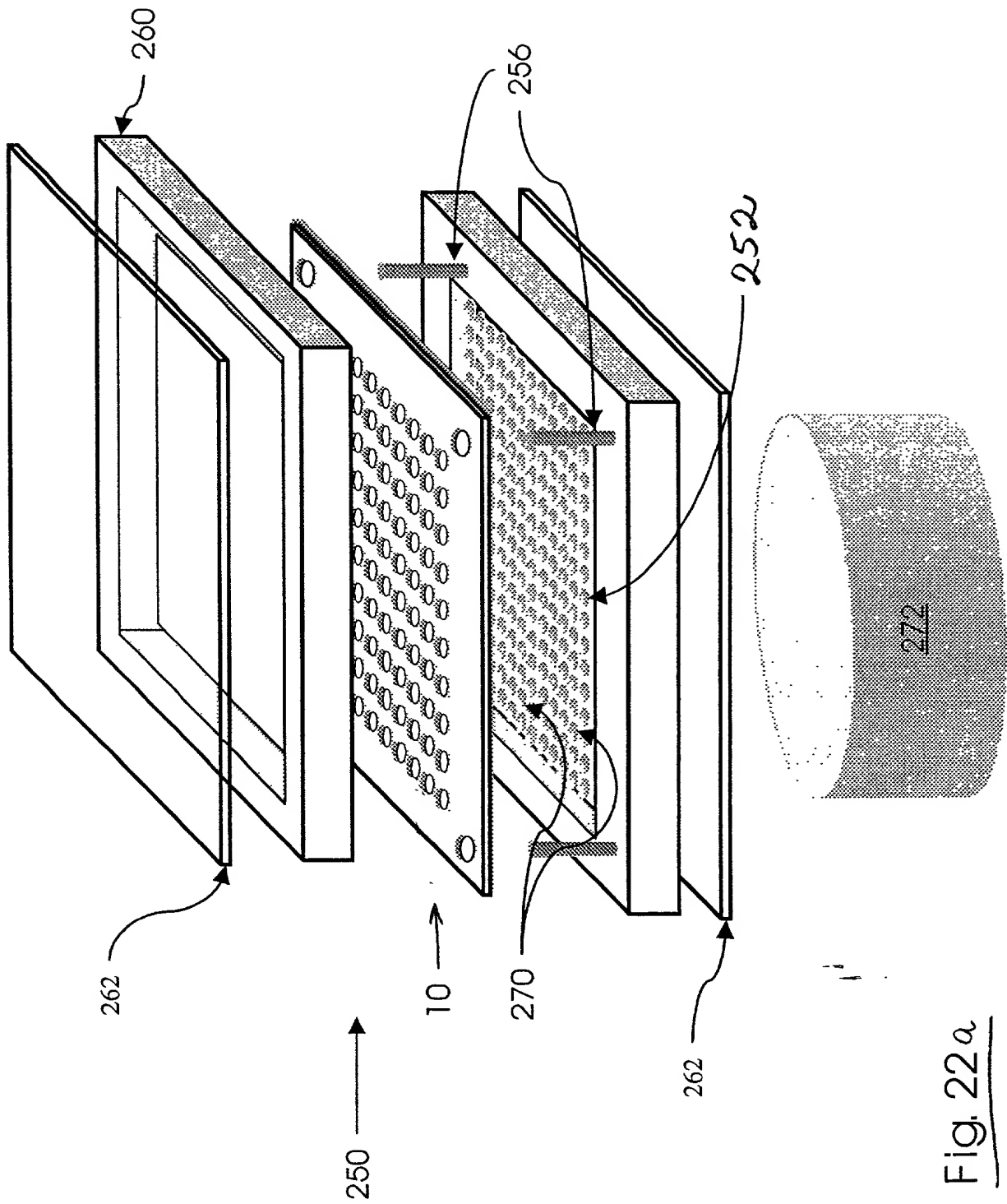


Fig. 22a

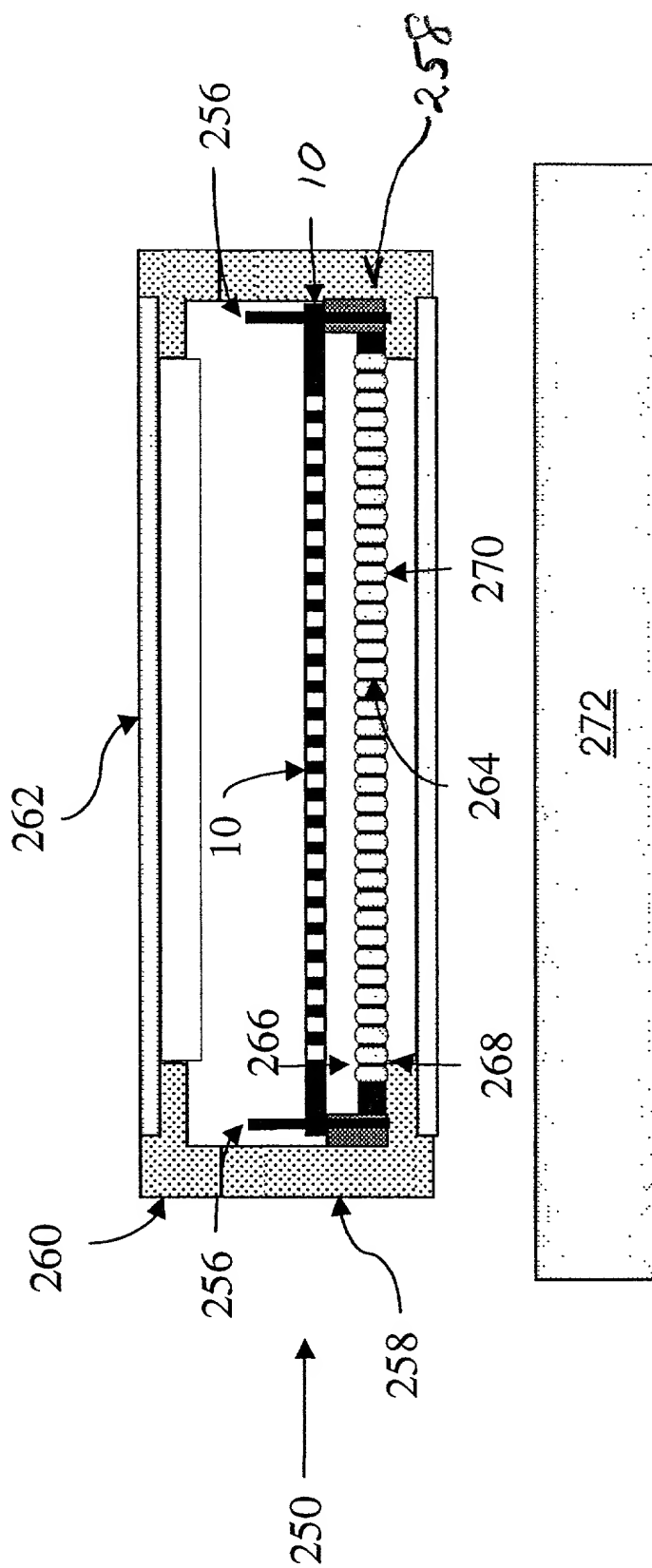


Fig. 22 b